## Use Attainability Analysis

for

WBID 0787 Stevens Branch

Submitted by Missouri Department of Natural Resources Staff

To Missouri Department of Natural Resources Water Protection Program

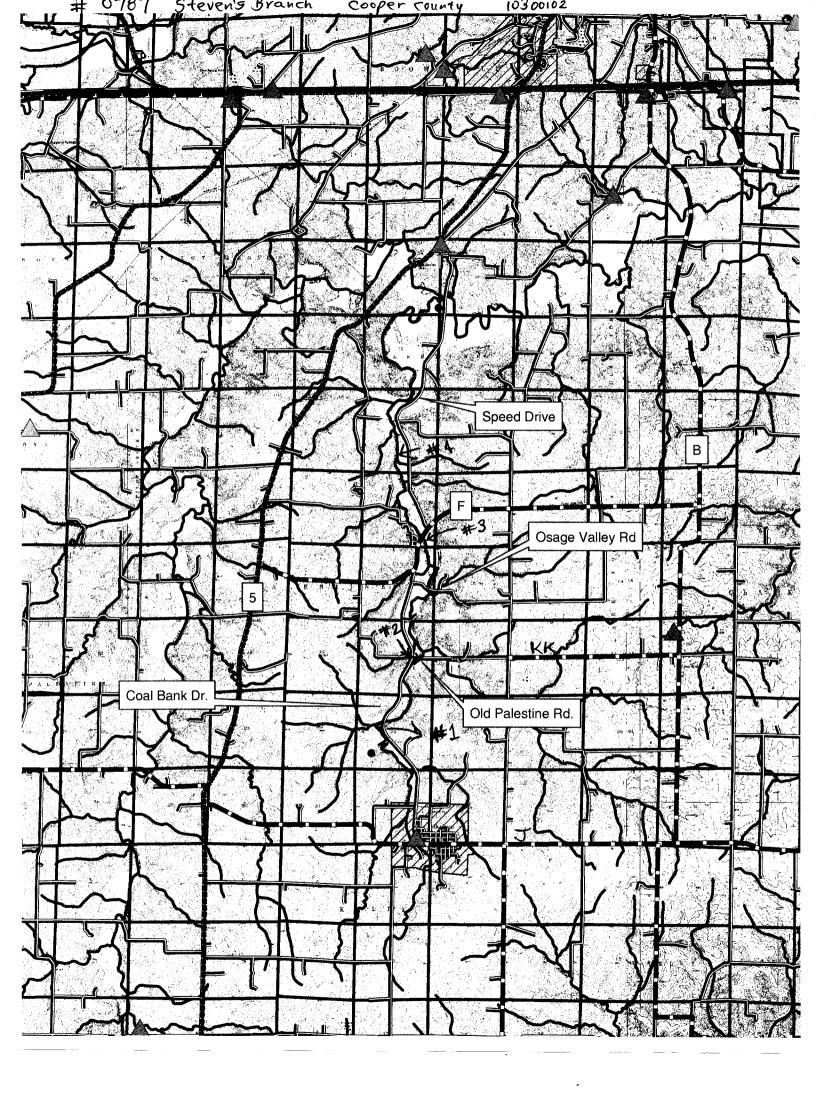
Data Sheet A - Water Body Identification

2005 JUL 14 PM 12: 53

0 or 4 (4, 21) 32 CO Trans
Water Body Name (from USGS 7.5' quad): Steven's Branch
8-digit HUC: [0300102
Missouri WBID #: 0787
County: Cooper
Upstream Legal Description: NW 1/4 Sec. 29 T47N R 17W
Downstream Legal Description: 5E/4 Sec. 5 T47N R17W
Upstream Coordinates: UTM DD 38.81206 92.8/07/
Downstream Coordinates: UFM D.D 38.87/33 92.80863
Discharger Facility Name(s):
Discharger Permit Number(s):
Number of Sites Evaluated: 4
Name of Surveyor and Telephone Number: Tucker Fredrickson (573)526-4210
Organization: MDNR
Position: Environmental Specialist

"I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed:_	Juchen	Free	Luckson	Date:	7/11	05	
_				 			 



### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: ()	7 <i>87-01</i>		Site Location Des	Pringer Pringer	ressing Coal
Site GPS Coordinates:	38.81206 <b>9</b> 2.	8107	/	Bank K	oad
Date & Time: 7/	11/05 2	:30P	M Facility Name:	Steven's Brane	<u>-h</u>
Personnel: Tucke	r Fredrick		Permit Number:		
Current Weather Condition			Yeather Condition	ons for Past 7 days: Les	5 than 0.57
Photo (ds: Upstream:		streum:		<u>: Н Темр</u>	Range 79-9
					y .
s Observed*:	S Sin dialo		SCUBA diving	☐ Tubing	☐ Water skiing
Swimming	Skin diving	<del>-i-</del>		□ Wading	Rafting
☐ Wind surfing	☐ Kayaking	<del></del>	Boating	None of the above	C Other:
☐ Hunting	☐ Trapping		Fishing	documentation of evidence	
2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3					
rrounding Conditio				uses. Attach photos of evide	nce or unusual
,		promote			nce or unusual  Campgrounds
rrounding Conditions of interest.)	ns*: (Mark all that p	promote	or impede recreational o	uses. Attach photos of evide	nce or unusual
rrounding Conditions of interest.)	ns*: (Mark all that p	promote    Mi	or impede recreational to	uses. Attach photos of evide	nce or unusual  Campgrounds
rrounding Conditions of interest.)  City/county parks Boating accesses No trespass sign	ns*: (Mark all that p  Playgrounds  State parks  Fence	promote    Mi	or impede recreational of the conservation lands tional forests	uses. Attach photos of evide  Urban areas  Nature trails	nce or unusual  Campgrounds
rrounding Conditions of interest.)  City/county parks  Boating accesses	ns*: (Mark all that p  Playgrounds  State parks  Fence	Dromote    Mi   Ma	or impede recreational of the conservation lands tional forests	uses. Attach photos of evide  Urban areas  Nature trails	nce or unusual  Campgrounds

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

# Page Two – Data Sheet B for WBID # 0787:

tream Mor Upstream	phology: . View Phy	sical Di	nensions:							
☐ Riffle	Width (ft):	·····	Length (ft):		Avg. Depth	(ft):		Max. Depth	(ft):	
☐ Run	Width (ft):		Length (fi):		Avg. Depth (	(ft):		Max, Depth	(ft):	
Pool	Width (ft):	15	Length (ft):	25	Avg. Depth (	(ft): ()	.75	Max. Depth	(ft):	1.75
☐ Flow	Present?	□ Yes	Ď <b>E</b> No	,	Estimated (5	t <sup>i</sup> /sec):				
Doumetra	am Viau I	Physical	Dimensions:							
☐ Riffle	Width (ft):	aysicai	Length (ft):	<del> , _ ,</del>	Avg. Depth (			Max, Depth	 (ft):	
□ Run	Width (ft):	<del></del>	Length (ft):		Avg. Depth			Max, Depth		
<b>∑</b> Pooi	Width (ft):	14	Length (ft):		Avg. Depth	•	5	Max. Depth	(ft):	2.0
Flow	Present?	_ Yes	₩ No	<del>`</del>	Estimated (f			<u></u>		
				· ·						
	(These value 6 Cobble		dd up to 100%.) Gravel	% Sand	15	% Sile	γ-	% Mud/Clay		% Bedrock
AN										
Water Char				<u>.</u>		ــــــــــــــــــــــــــــــــــــــ	•			<del></del> -
		Sewage	☐ Musky	☐ Che		None	_	C Other:		
Color:	· ·	Clear	∑ Green	□ Gra		☐ Milky	<del></del>	Other:		<u> </u>
Bottom De	<del>`                                    </del>	Sludge	☐ Solids	₩ Fine	sediments	☐ None		Other:		
Surface De	eposit:	Oil	Ø Scum	□ Foa:	m.	☐ None		☐ Other:		
This informat comprehensive decision on the L, the under datasheet is	ion is not to t	ne used soing of water se analysis reby affi accurate		of a recreation assequently, the conditions the st of my kn	af use designis information at need furthoused owledge, the control of the contro	nation but in the same in the	rather is tended t s or that nform	to provide a m to directly influ- effect another ation report	ore ence a use. ed o	n this UAA
Organization	MD1	NR	esuchs		Positio	n: En	Viro	nmental	<u>5<sub>e</sub></u>	ecialist

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### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

r Fredrick	<i>55  M</i> < <i>5</i> on	Permit Number:	Crossing Old Steven's Branch	·				
05 2: r Fredrick	55 <i>IM</i> (son y 84°F	Permit Number:		<u> </u>				
ins: Partly sunn	y 84°F							
ins: Partly sunn	y 84°F	Weather Condition		Permit Number:				
		Tradicio dotterno	ous for Past 7 days: LC59	5 than 0.5				
		[O Other		p. Ronge 79-				
				, ,				
C Clair divisor		TIP A disting	☐ Tubing	☐ Water skiing				
= .	-	.,,		☐ Rafting				
		<u> </u>		Other:				
☐ Trapping	ļ □ Fis	hing		_ +				
is*: (Mark all that p	romate or it	apede recreational u	ises. Attach photos of evider	nce or unusual				
is*: (Mark all that p	<del></del>	npede recreational d	ises. Attach photos of eviden	nce or unusua!				
<del>                                      </del>	<del></del>	onservation lands	<u> </u>					
C Playgrounds	☐ MDC c	onservation lands	☐ Urban areas	☐ Campgrounds				
☐ Playgrounds ☐ State parks ☐ Fence	☐ MDC c	onservation lands	☐ Urban areas ☐ Nature trails	☐ Campgrounds				
☐ Playgrounds ☐ State parks	☐ MDC c ☐ Nations ☐ Steep si	onservation lands	☐ Urban areas ☐ Nature trails	☐ Campgrounds				
☐ Playgrounds ☐ State parks ☐ Fence	☐ MDC c ☐ Nations ☐ Steep si	onservation lands il forests opes	☐ Urban areas ☐ Nature trails ☐ Other: NA	☐ Campgrounds ☐ Stairs/walkway				
	☐ Skin diving ☐ Kayaking ☐ Trapping r of individuals recr	☐ Kayaking ☐ Bo ☐ Trappoing ☐ Fis	☐ Kayaking ☐ Boating ☐ Trapping ☐ Fishing	☐ Kayaking ☐ Boating ☐ Wading				

other items that may be of interest. (Include photographs)

<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

## Page Two - Data Sheet B for WBID # 0787 :

Stream Morpholog Upstream View		nensions:				
☐ Riffle Width		Length (ft):	Avg. Depth	(ft):	Max. Depth (	ft):
□ Run Width	(ft):	Length (fi):	Avg. Depth (	(ft):	Мах. Дери (	ft):
Pool Width	(ft):  3	Length (ft): /	Avg. Depth (	(ft): 1.25	Мах. Дери (	5): 2·O
☐ Flow Presen	t? □ Yes	<b>⊉</b> No	Estimated (fi	t <sup>3</sup> /sec):	****	
Downstream Vi	ew Physical	Dimensions:				
☐ Riffle Width		Length (ft):	Avg. Depth (	(ft):	Max. Depth (	ft):
□ Run Width	(ft):	Length (ft):	Avg. Depth (	(ft):	Max. Depth (	ft):
Pool Width	(ft):27	Length (ft):	Avg. Depth	(ft): 2.5	Max. Depth (	ft): 3.0
☐ Flow Presen	t? 🔘 Yes	<b>X</b> N₀	Estimated (fi			
Substrate*: (These 60 % Cobbb  Aquatic Vegetation  N A	: <u>4</u> 0 %	Gravel	% Sand   algal growth at the asse	% Silt	% Mud/Clay	% Bedrock
Water Characteris	itics*: (Mark :	all that apply.)	☐ Chemical	À None	□ Other:	
Color:	□ Clear	🕱 Green	CI Gray	□ Milky	☐ Other:	
Bottom Deposit:	□ Sludge	☐ Solids	☐ Fine sediments	₩ None	☐ Other:	. <u> </u>
Surface Deposit:	□ Oil	☐ Scum	☐ Foam	None	☐ Other:	
This information is no comprehensive underst decision on the recreati I, the undersigned datasheet is true a	t to be used solvanding of water on use analysis, hereby affind accurate	ely for removal of conditions. Constitutions. Constitutions to constitute the best t	(including information of my knowledge, the position of the po	nation but rather on is not intendenter analysis or the	is to provide a mode to directly influent that effect another unation reports	re nce a se. d on this UAA
Organization: M	)NK			<u> </u>		<u>-</u> 1, _ ,

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### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 07	87- <i>03</i>		Site Location Description: Bridge Crossing High				
Site GPS Coordinates: 3	8.84828 92	.80076	(24) F				
Date & Time: 7 11 0	Date & Time: 7[11(05 3:15 PM			Facility Name: Steven's Branch			
Personnel: Tucke	r Fredrick		Permit Number.				
Current Weather Condition			Weather Condition	ons for Past 7 days: Less	than 0.5'r		
Photo ids: Upstream:		stream:	2   Other:	H Temp	Range 79-9		
			<u>,                                    </u>				
es Observed*:		<del></del> _		<u> </u>			
☐ Swimming	☐ Skin diving	□ SC	UBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	□ 80	ating	□ Wading	☐ Rafting		
☐ Hunting	☐ Trapping	□ Fis	shing	None of the above	☐ Other:		
Describe: (include numbe	er of individuals recr	enting, frequ	uency of use, photo-	documentation of evidence (	or (ecretifolity mes)		
Describe: (include number	<u>.</u>			uses. Attach photos of eviden			
Describe: (include number	15*: (Mark all that p	promote or i					
Describe: (include number of interest.)  City/county parks	15*: (Mark all that p	promote or i	mpede recreational conservation lands	uses. Attach photos of eviden	Campgrounds		
Describe: (include number arrounding Condition ms of interest.)  City/county parks Boating accesses	15*: (Mark all that p	promote or i	mpede recreational conservation lands	uses. Attach photos of evider	Campgrounds		
Describe: (include number of interest.)  City/county parks Boating accesses No trespass sign	15*: (Mark all that p  Playgrounds  State parks  Fence	oromote or i	mpede recreational conservation lands	uses. Attach photos of evider  Urban areas  Nature trails	Campgrounds		
Describe: (include number of interest.)  City/county parks Boating accesses No trespass sign	Dis*: (Mark all that p  Playgrounds  State parks  Fence	oromote or i	mpede recreational of conservation lands al forests slopes	uses. Attach photos of evider  Urban areas  Nature trails	Campgrounds ☐ Stairs/walkway		
Describe: (include number of interest.)  City/county parks Boating accesses No trespass sign	15*: (Mark all that p  Playgrounds  State parks  Fence	MDC of Nation	mpede recreational conservation lands	Urban areas  Nature trails  Other: NA	nce or unusual		

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - Data Sheet B for WBID # 0787 Stream Morphology: Upstream View Physical Dimensions: Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Width (ft): ☐ Run Length (ft): Avg. Deoth (ft): Max. Depth (ft): Width (ft): X Pool Length (ft): Avg. Depth (ft): 2.0 Max. Depth (ft): 75 Estimated (ft<sup>3</sup>/sec): ☐ Flow No. Present? ☐ Yes Downstream View Physical Dimensions: Width (ft): ☐ Riffle Length (ft): Max, Depth (ft): Avg. Depth (ft): Width (ft): Langth (ft): Avg. Depth (ft): Max. Depth (ft): □ Run Length (ft): 350 5 Width (ft): 28 Avg. Depth (ft): Max. Depth (ft): **X** Pooi Estimated (ft<sup>3</sup>/sec): 🗆 Flow Present? □ Yes OX No. Substrate\*: (These values should add up to 100%.) 40 % Cobble 20 % Gravel 1 % Sand % Mud/Clay 10 % Silt 20% Bedrock Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site) NA Water Characteristics\*: (Mark all that apply.) ATOCHER: fishy (faint ☐ Sewage ☐ Musky ☐ Chemical □ None Color: ☐ Clear ₩ Green C Gray □ Milky ☐ Other: Bottom Deposit: ☐ Sludge □ Solids A Fine sediments Other: ☐ None Surface Deposit: C Oil V Scum ☐ Foam ☐ None □ Other.

Comments: Please attach additional comments (including information from interviews) to this form.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Judy Treduction	Date: 7/11/05
Organization: MDNR	Position: <u>Environmental Specialist</u>

<sup>\*</sup>This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.





#### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

	787- O4		Site Location De	scription: Private P	roperty			
Site GPS Coordinates:	38 87 (33 q	2.801	363	· · · · · · · · · · · · · · · · · · ·				
Date & Time: 7/1	1/05		- 10 PMFacility Name:	Steven's Branch				
Personnel: Tucke	r Fred rich	< <i>5</i> on	Permit Number:					
Current Weather Condition	ns: Partly clos	idu (	35°F Weather Condition	ous for Past 7 days: Less	than 0.5 rain			
Photo (ds: Upstream:	13 Down	rstream	: [4 Other	ons for Past 7 days: Less:	mp. Range 79-92°A			
<del></del> -				<del></del>				
Jses Observed*:		- 1			<b>5</b> 176 - 1-7 -			
☐ Swimming	☐ Skin diving	<del> </del> -	SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	] [	Boating	☐ Wading	☐ Rafting			
☐ Hunting	☐ Trapping		] Fishing	None of the above	☐ Other:			
	.s*: (Mark all that p	romote	or impede recreational u	ises. Attach photos of evider	ace or unusual			
	S*: (Mark all that p		or impede recreational u	ises. Attach photos of evider	ace or unusual			
Surrounding Condition tems of interest.)  □ City/county parks □ Boating accesses	I	□м			· · · · · · · · · · · · · · · · · · ·			
City/county parks	☐ Playgrounds	☐ MI □ Na	OC conservation lands	☐ Urban areas	Campgrounds			
☐ City/county parks ☐ Boating accesses ☐ No trespass sign	☐ Playgrounds ☐ State parks ☐ Fence	☐ MI □ Na	OC conservation lands	☐ Urban areas ☐ Nature trails	Campgrounds			
☐ City/county parks ☐ Boating accesses ☐ No trespass sign	☐ Playgrounds ☐ State parks ☐ Fence	☐ MI ☐ Na ☐ Ste	OC conservation lands	☐ Urban areas ☐ Nature trails	Campgrounds			
City/county parks  Boating accesses  No trespass sign  Evidence of Human Us	☐ Playgrounds ☐ State parks ☐ Fence	☐ MI ☐ Na ☐ Ste	OC conservation lands tional forests ep slopes	☐ Urban areas ☐ Nature trails ☑ Other: NA	Campgrounds Stairs/walkway			

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two - Data Sheet B for WBID # 0787 :

ream Morpholog Upstream View	-	mensions:				
☐ Riffle Width		Length (ft):	Avg. Depth	ເ (πີ):	Max. Depth (ft)	:
□ Run Width	(ft):	Length (ft):	Avg. Depth	ı (ft):	Max. Depth (ft)	:
Pool Width	(ft): 28	Length (ft):	40 Avg. Depth	(ft): 2.5	Max. Depth (ft)	: 3.0
☐ Flow Presen	t? ☐ Yes	<b>⊉</b> %₀	Estimated (	ft <sup>3</sup> /sec):	·	
Downstream Vie	w Physical	Dimensions:				
☐ Riffle Width	· · · · · · · · · · · · · · · · · · ·	Length (ft):	Avg. Depth	ı (ft):	Max. Depth (ft)	);
☐ Run Width	(ft):	Length (ft):	Avg. Depti	ı (ft):	Max. Depth (ft)	);
Pool Width	(ft): 28	Length (ft): 3	50 Avg. Dept	(ft): 2,5	Max. Depth (ft)	): 3 . 0
☐ Flow Presen	t? 🗆 Yes	<b>5</b> No	Estimated (	(ft <sup>1</sup> /sec):		
ater Characteri			ub-coverage	75%		-
Odor:	□ Sewage	☐ Musky	☐ Chemical	☐ None	Dar Other: F	ishy
Color:	□ Clear	Green	□ Gray	☐ Milky	☐ Other:	
Bottom Deposit:	□ Sludge	□ Solids	Fine sediments	i 🗆 None	☐ Other:	
Surface Deposit:	□ Oil	Ø Scum	□ Foam	□ None	☐ Other:	
This information is no emprehensive unders ecision on the recreat	ot to be used so anding of wate ion use analysis I, hereby aff and accurate	lely for removal of ir conditions. Cons s but may point to co firm to the best	(including informational use desirequently, this informational traced further of my knowledge	ignation but rather tion is not intender ther analysis or the that all informations.	is to provide a more i to directly influence at effect another use mation reported	ce a ce. l on this UAA
organization: M	•	avvia.	Date:	· Fault	onmental S	
rganization: //		····· · <del></del> ·	Posit	ion; <u>Lnvir</u>	Unmental O	pecialist.

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